

Abstract

In an automobile of the invention, a cornering drag estimator 61 estimates a cornering drag from measurements of steering angle θ and vehicle speed V . A gain multiplier 62 multiplies the estimated cornering drag by a preset gain K to reduce the estimated cornering drag. A phase adjuster 63 adjusts the phase of the rest of the estimated and reduced cornering drag. An implementation system 70 receives the sum of the output of the gain multiplier 62 and the output of the phase adjuster 63 and regulates the throttle opening of an engine according to the received sum. This adjusts the phase and the degree of reduction of the estimated cornering drag. This arrangement of the invention attains the adequate levels of pitching and rolling, which may be caused in the vehicle in the turning state.